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ROYAL ONTARIO MUSEUM OF PALAEONTOLOGY

No. 9. CATALOGUE OF TYPES IN THE ROYAL ONTARIO MUSEUM OF PALAEONTOLOGY

By Madeleine A. Fritz

PART V

JULY, 1945

CATALOGUE OF TYPES IN THE ROYAL ONTARIO MUSEUM OF PALAEONTOLOGY

By Madeleine A. Fritz
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PART V

Four parts of the Catalogue of Types in the Royal Ontario Museum of Palaeontology have already appeared. They constitute Contributions of the Royal Ontario Museum of Palaeontology, Nos. 5, 6, 7, and 8. These issues deal respectively with the biological groups ranging from the *Protozoa* to the end of the *Mollusca*. In Part V, the present issue, which represents No. 9 of the above mentioned series, the *Trilobita* are recorded.

A large number of the trilobites belong to the historic collection of fossils made by George F. Matthew from the Cambrian rocks of the Maritime Provinces. These specimens were presented to the Museum in 1904 by Sir. Wm. Mackenzie.

It has been difficult in certain instances to fit Dr. Matthew's abundant specimens into the many kinds of types recognized at the present time. The material is often fragmentary and ill-preserved; and the illustrations, for the most part, represent composite drawings. It will be noticed that the term cotype has been freely employed. This procedure seemed reasonable when neither holotype nor paratype was designated by the author. Some of the so-called cotypes may be merely heautotypes, metatypes, or topotypes.

The form of the catalogue is similar to that used in the former issues. The current generic and specific names, known to the writer, are capitalized. Then follow in order the author's name, the number of specimens, on occasions the old name (in italics), literature reference or references, the general geological age, the more specific geological horizon, the locality, and the catalogue number. Both genera and species are arranged in alphabetic order.

The concluding Part of this Type Catalogue will appear at a later date. It will include the remaining *Arthropoda*, and will be accompanied by an *Addenda et Corrigenda*.

TRILOBITA

ACADAGNOSTUS ACADICUS (Hartt) -- Plesiotypes 2
Agnostus acadicus Hartt
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. III, Sect. IV, 1885, p. 70, pl. VII, figs. 5a,b.
Kobayashi, T., Jour. Faculty Science Imperial Univ. Tokyo, Sect. II, Vol. V, pt. 5, 1939.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 8117.

ACADAGNOSTUS DECLIVIS (Matthew) -- Cotypes 12
Agnostus acadicus declivis Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. III, 1885, p. 70, pl. VII, figs. 6a,b.
Kobayashi, T., Jour. Faculty Science Imperial Univ. Tokyo, Sect. II, Vol. V, pt. 5, 1939.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8324.

ACANTHOLENUS SPINIGER Matthew -- Cotypes 18
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. IV, Sect. IV, 1898, p. 142, pl. II, figs. 4a-e.
Lower Ordovician, Bretonian.
Long island, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7967.

ACHATELLA ACHATES (Billings) -- Topotypes 6
Dalmanites achates Billings
Okulitch,V.J., Trans. Roy. Soc. Can., 3rd ser.,Vol. XXXVI, Sect. IV, 1942, p. 104, pl. I, fig. 1.
Middle Ordovician, Trenton.
Hull, Quebec.
Topotypes - Roy. Ont. Mus. Pal. 18747.

ACROLICHAS CUCULLUS (Meek & Worthen) -- Plesiotypes 2
Lichas cucullus Meek and Worthen
Foerste, A.F., Amer. Jour. Sci., Vol. XLIX, January, 1920, pl. I, figs. 1A, B, E.
Middle Ordovician, Trenton.
Hull, Quebec.
Plesiotypes - Roy. Ont. Mus. Pal. 18791.

ACROLICHAS NARRAWAYI Foerste -- Holotype
Foerste, A.F., Amer. Jour. Sci., Vol. XLIX, January, 1920, pl. I, fig. 2.
Middle Ordovician, Trenton.
Wright's quarry, Hull, Quebec.
Holotype - Roy. Ont. Mus. Pal. 18793.

AGNOSTUS BISECTUS Matthew -- Cotypes 4
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. IX, Sect. IV, 1891, p. 50, pl. XIII, figs. 2a, b.
Lower Ordovician, Bretonian.
Navy island, St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7977.

AGNOSTUS LAEVIGATUS CICEROIDES Matthew -- Cotype
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XV, 1896, p. 234, pl. XVII, fig. 3b.
Middle Cambrian, Acadian.
Highland cove, Newfoundland.
Cotype - Roy. Ont. Mus. Pal. 8202.

AGNOSTUS PARVIFRONS TESSELLA Matthew -- Cotypes 30
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XV, 1896, p. 221, pl. XVI, figs. 3a, b.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7844.

AGNOSTUS PARVIFRONS TRUNCATUS Matthew - Plesiotypes 11
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XV, 1896, p. 222.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 8338.

AGNOSTUS PISIFORMIS VAR.A Matt. - Cotypes 12(on 1 slab)
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. IV, Sect. IV, 1898, p. 136, pl. II, figs. 1a-c.
Lower Ordovician, Bretonian.
Long island, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8366.

AGNOSTUS PISIFORMIS AFFINIS Matthew -- Cotypes 15
Matthew,G.F.,Trans.Roy.Soc.Can.,2nd ser.,Vol.IV,Sect. IV,1898, p. 137, pl. II, fig. 3 (composite figure).
Lower Ordovician, Bretonian.
Long island, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8364.

AGNOSTUS PISIFORMIS AFFINIS Matthew -- Metatypes 2
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. IV, Sect. IV, 1898, p. 137.
Lower Ordovician, Bretonian.
Long island, King's county, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 8382.

AGNOSTUS PISIFORMIS RUGULOSA Matthew -- Cotypes 5
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. IV, Sect. IV, 1898, p. 137, pl. II, fig. 2 (composite figure).
Lower Ordovician, Bretonian.
Long island, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8400.

AGNOSTUS PISIFORMIS RUGULOSA Matthew -- Metatypes 6
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. IV, Sect. IV, 1898, p. 137.
Lower Ordovician, Bretonian.
Long island, King's county, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 8441.

AGNOSTUS PISIFORMIS RUGULOSA Matthew -- Metatypes 8
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. IV, Sect. IV, 1898, p. 137.
Lower Ordovician, Bretonian.
Long island, King's county, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 8440.

AGNOSTUS PISIFORMIS VALIDA Matthew -- Cotypes 8
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. IV, Sect. IV, 1898, p. 137.
Lower Ordovician, Bretonian.
Long island, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8365.

AGNOSTUS REGULUS Matthew -- Cotypes 5
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. III, Sect. IV, 1885, p. 67, pl. VII, figs. 1a-c.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8323.

AGRAULOS ARIELI Matthew -- Cotypes 4
Reference not located.
Middle Cambrian, Acadian.
Hasting's cove, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8116.

AGRAULOS CARINATUS Matthew -- Cotypes 2
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. III, Sect. IV, 1897, p. 176, pl. II, figs. 2a,b.
Middle Cambrian, Acadian.
King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7845.

AGRAULOS HALLIANUS (Matthew) -- . Cotypes 6
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 132, pl. I, figs. 2a-m.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7842.

AGRAULOS HALLIANUS (Matthew) -- Metatypes 8
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 132.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 8330.

AGRAULOS(?) HOLOCEPHALUS Matthew -- Cotypes 3
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. VIII, 1890, p. 138, pl. XI, figs. 5a-d.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8114.

AGRAULOS(?) HOLOCEPHALUS Matthew -- Metatypes 6
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. VIII, 1890, p. 138.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 26107.

AGRAULOS(?) NANUS Matthew -- Cotypes 4
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. III, Sect. IV, 1897, p. 178, pl. II, figs. 5a,b.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8113.

AGRAULOS SOCIALIS Billings -- Plesiotypes 3
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. IV, Sect. IV, 1886, p. 151.
Middle Cambrian, Acadian.
Manuel river, Conception bay, Newfoundland.
Plesiotypes - Roy. Ont. Mus. Pal. 8185.

AGRAULOS(?) WHITFIELDIANA Matthew -- Cotypes 4
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 130, pl. I, figs. 1a-f.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7838.

ANOMOCARE MAGNUM var. Matthew -- Cotypes 13
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. III, Sect. IV, 1897, p. 184, pl. III, figs. 5a-e.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8128.

ANOMOCARE STENOTOIDES Matthew -- Cotypes 9
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. IV, Sect. IV, 1898, p. 139, pl. II, figs. 5a-i.
Lower Ordovician, Bretonian.
Long island, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 26109.

ANOMOCARE STENOTOIDES Matthew -- Cotypes 42
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser. Vol. IV, Sect. IV, 1898, p. 139.
Lower Ordovician, Bretonian.
Long island, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8353.

ASAPHELLUS HOMFRAYI var. Matthew -- Cotypes 5
Matthew, G.F., Bull. Nat. Hist. Soc. N.B., Vol. IV, 1902, p. 413, pl. XVIII, figs. 10a-e.
Lower Ordovician, Bretonian.
McLeod brook, Boisdale, Nova Scotia.
Cotypes - Roy. Ont. Mus. Pal. 8012.

ASAPHELLUS HOMFRAYI var. Matthew -- Metatypes 10
Matthew, G.F., Bull. Nat. Hist. Soc. N.B., Vol. IV, 1902, p. 413.
Lower Ordovician, Bretonian.
McLeod brook, Boisdale, Nova Scotia.
Metatypes - Roy. Ont. Mus. Pal. 8351.

ASAPHALLUS HOMFRAYI var. Matthew -- Metatypes 9
Matthew, G.F., Bull. Nat. Hist. Soc. N.B., Vol. IV, 1902, p. 413.
Lower Ordovician, Bretonian.
McLeod brook, Boisdale, Nova Scotia.
Metatypes - Roy. Ont. Mus. Pal. 7949.

ASAPHELLUS PLANUS Matthew -- Cotypes 4
Matthew, G.F., Bull. Nat. Hist. Soc. N.B., Vol. IV, 1902, p. 419, pl. XVIII, fig. 11.
Lower Ordovician, Bretonian.
McLeod brook, Boisdale, Nova Scotia.
Cotypes - Roy. Ont. Mus. Pal. 7951.

AVALONIA PLANA Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. V, Sect. IV, 1899, p. 81, pl. IV, fig. 7.
Lower Cambrian, Etcheminian.
Manuel's brook, Conception bay, Newfoundland.
Holotype - Roy. Ont. Mus. Pal. 7763.

BAILIAPSIS ELEGANS (Hartt) -- Plesiotype
Conocoryphe elegans Hartt
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 115.
Resser, C.E., Jour. Pal., Vol. 11, No. 1,1937,p.39.
Middle Cambrian, Acadian.
Caton's island, King's county, New Brunswick.
Plesiotype - Roy. Ont. Mus. Pal. 8152.

BAILIELLA BAILEYI (Hartt) -- Plesiotypes 3
Conocoryphe baileyi Hartt
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. VIII, Sect. IV, 1890, p. 135, pl. XI, fig. 10.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7866.

BAILIELLA BAILEYI (Hartt) -- Plesiotypes 15
Conocoryphe baileyi Hartt
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 111, pl. I, figs. 22;24-27.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7869.

BAILIELLA ARCUATA (Matthew) -- Holotype
Conocoryphe baileyi arcuata Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 113, pl. I, figs. 23,23b.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 7835.

BAILIELLA ARCUATA (Matthew) -- Paratypes 4
Conocoryphe baileyi arcuata Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. II, Sect. IV, 1884, p. 113.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Paratypes - Roy. Ont. Mus. Pal. 26106.

BAILIELLA WALCOTTI (Matthew) -- Cotypes 2
Conocoryphe walcotti Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. II, Sect. IV, 1884, p. 119, pl. I, figs. 36, 36b.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8120.

BAILIELLA WALCOTTI (Matthew) -- Heautotypes 2
Conocoryphe walcotti Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. VIII, Sect. IV, 1890, p. 134, pl. XI, figs. 7a-c.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Heautotypes - Roy. Ont. Mus. Pal. 7860.

BAILIELLA WALCOTTI (Matthew) -- Metatypes 5
Conocoryphe walcotti Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. II, Sect. IV, 1884, p. 119.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 7861.

BAILIELLA WALCOTTI (Matthew) -- Metatype
Conocoryphe walcotti Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. II, Sect. IV, 1884, p. 119.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Metatype - Roy. Ont. Mus. Pal. 7863.

BAILIELLA WALCOTTI (Matthew) -- Metatypes 2
Conocoryphe walcotti Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 119.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 7864.

BAILIELLA WALCOTTI (Matthew) -- Metatype
Conocoryphe walcotti Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 119.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Metatype - Roy. Ont. Mus. Pal. 7862.

BAILIELLA WALCOTTI (Matthew) -- Cotypes 10
Conocoryphe walcotti Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, pp. 119,120.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8122.

BASILICUS ROMINGERI (Walcott) -- Plesiotype
Asaphus romingeri Walcott
Raymond, P.E., Ann. Carnegie Mus., Vol. VII, No. 1, 1910, p. 49, pl. XV, fig. 9.
Middle Ordovician, Black River.
Mechanicsville, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 18695.

BATHYURUS EXTANS (Hall) -- Plesiotypes 2
Raymond, P.E., Ann. Carnegie Mus., Vol. VII, No. 1, 1910, p. 46, pl. XV, fig. 8.
Middle Ordovician, Black River.
Mechanicsville, Ontario.
Plesiotypes - Roy. Ont. Mus. Pal. 18755

BERGERONIA ACADICA (Matthew) -- Holotype
Avalonia acadica Matthew
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV, 1895, p. 140, pl. IX, fig. 5.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 7813.

BERGERONIA ARTICEPHALA (Matthew) -- Cotypes 8
Agraulos(?) articephalus Matthew
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV, 1895, p. 147, pl. X, figs. 5a,b.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7751.

BERGERONIA ELEGANS (Matthew, W.D.) -- Cotypes 11
Protolenus elegans Matthew, W.D.
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV, 1895, p. 147, pl. XI, figs. 3a-e.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7795.

BRUNSWICKIA ROBBII (Hartt) -- Plesiotypes 7
Conocephalites robbii Hartt
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. V, Sect. IV, 1887, p. 153, pl. II, figs. 4g-4l.
Middle Cambrian, Acadian.
St. John;Hanford brook, St. Martins, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7853.

BRUNSWICKIA ROBBII ORESTES (Hartt) -- Plesiotypes 5
Conocephalites orestes Hartt
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. V, Sect. IV, 1887, p. 154.
Middle Cambrian, Acadian.
St. John and Simonds, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7832.

BRUNSWICKIA ROBBII ORESTES (Hartt) -- Plesiotypes 10
Conocephalites orestes Hartt
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 154.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7846.

BRUNSWICKIA ROBBII PARVA (Matthew) -- Cotypes 4
Solenopleura robbii parva Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. III, Sect. IV, 1897, p. 183, pl. III, figs. 4a,b.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8303.

BUMASTUS BILLINGSI Raymond & Narraway -- Holotype
Raymond, P.E., & Narraway,J.E., Ann. Carnegie Mus., Vol. IV, 1908, pl. LXII, figs. 1,2.
Middle Ordovician, Trenton.
Hull, Quebec.
Holotype - Roy. Ont. Mus. Pal. 18792.

BUMASTUS INDETERMINATUS (Walcott) -- Plesiotypes 2
Raymond, P.E., & Narraway,J.E., Ann. Carnegie Mus., Vol. IV, 1908, pl. LXII, figs. 8,9.
Middle Ordovician, Black River.
Mechanicsville, Ontario.
Plesiotypes - Roy. Ont. Mus. Pal. 18700.

BUMASTUS cf. IOXUS (Hall) -- Plesiotype
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI,pt. I, No. 25, 1915, p. 80, pl. IV, fig. 20.
Silurian.
Limestone rapids, Severn river, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 22669.

BUMASTUS MILLERI (Billings) -- Plesiotype
Raymond, P.E., & Narraway,J.E., Ann. Carnegie Mus., Vol. IV, 1908, p. 249, pl. LXII, fig. 3.
Middle Ordovician, Black River.
Hogsback, Ottawa.
Plesiotype - Roy. Ont. Mus. Pal. 18688.

CAINTOPS PUSTULOSA (Matthew) -- Metatypes 2
Conocoryphe pustulosa Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1897, p. 174.
Resser, C.E., Smith. Misc. Coll., Vol. 95, No. 4, 1936, p. 14.
Middle Cambrian, Acadian.
Metatypes - Roy. Ont. Mus. Pal. 8487.

CALLIOPS ALATUS Okulitch -- Holotype
Okulitch, V.J., Trans. Roy. Soc. Can., 3rd ser., Vol. XXXVI, Sect. IV, 1942, p. 101, pl. I, fig. 4.
Middle Ordovician, Trenton.
Hull, Quebec.
Holotype - Roy. Ont. Mus. Pal. 25763.

CALLIOPS HURONENSIS Okulitch -- Holotype
Okulitch, V.J., Trans. Roy. Soc. Can., 3rd ser., Vol. XXXVI, Sect. IV, 1942, p. 99, pl. I, figs. 7,8,9.
Middle Ordovician, Trenton.
St. Joseph's island, Lake Huron, Ontario.
Holotype - Roy. Ont. Mus. Pal. 25764.

CALLIOPS NARRAWAYI Okulitch -- Cotypes 3
Okulitch, V.J., Trans. Roy. Soc. Can., 3rd ser., Vol. XXXVI, Sect. IV, 1942, p. 101, pl. I, figs. 5,6.
Middle Ordovician, Trenton.
Hull, Quebec.
Cotypes - Roy. Ont. Mus. Pal. 25765.

CALYMENE MEEKI Foerste -- Plesiotype
Parks, W.A., & Fritz, M.A., 32nd Ann. Rept. Ont. Dept. Mines, Vol. XXXII, pt. VII, 1923, p. 24, pl. II, fig. 6.
Middle Ordovician, Dundas.
Don Valley brickyard, Toronto, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 183.

CALYMENE PLATYS Green -- Plesiotype
Hall, James, Pal. New York, Vol. VII, pl. XXV, fig. 2.
Middle Devonian, Onondaga.
Hagersville, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 25582.

CALYPTAULAX OTTAWANUS Okulitch -- Cotypes 2
Okulitch, V.J., Trans. Roy. Soc. Can., 3rd ser., Vol. XXXVI, Sect. IV, 1942, p. 102, pl. I, figs. 2, 3.
Middle Ordovician, Trenton.
Hull, Quebec.
Cotypes - Roy. Ont. Mus. Pal. 25766.

CERAURUS BISPINOSUS Raymond & Barton -- Holotype
Raymond, P.E., & Barton, D.C., Bull. Mus. Comp. Zool., Harvard College, Vol. LIV, No. 20, 1913, p. 536, pl. I, fig. 4.
Middle Ordovician, Black River.
Tetreauville, Quebec.
Holotype - Roy. Ont. Mus. Pal. 18682.

CERAURUS BISPINOSUS Raymond & Barton -- Paratype
Raymond, P.E., & Barton, D.C., Bull. Mus. Comp. Zool., Harvard College, Vol. LIV, No. 20, 1913, p. 536, pl. I, fig. 3.
Middle Ordovician, Black River.
Tetreauville, Quebec.
Paratype - Roy. Ont. Mus. Pal. 18683.

CHASMOPS SIGMOOCULARIS Okulitch -- Holotype
Okulitch, V.J., Trans. Roy. Soc. Can., 3rd ser., Vol. XXXVI, Sect. IV, 1942, p. 103, pl. I, figs. 10-13.
Upper Ordovician, Richmond.
Albany river, Ontario.
Holotype - Roy. Ont. Mus. Pal. 25767.

CHONDROPARIA PUSILLA (Matthew) -- Cotypes 2
Agraulos? pusillus Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1897, p. 178, pl. II, figs. 6a, b.
Lorenz, Th., Zeitschr. Deut. Geol. Gesell., Vol. 58, 1906, p. 67.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8115.

CONDYLOPYGE TRANSECTUM (Matthew) -- Holotype
Agnostus transectus Matthew
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XV, 1896, p. 214, pl. XVI, fig. 2.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 8484.

COTALAGNOSTUS CICEROIDES (Matthew) -- Holotype
Agnostus laevigatus ciceroides Matthew
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XV, p. 234, pl. XVII, figs. 3a,b.
Kobayashi, T., Jour. Faculty Science Imperial Univ. Tokyo, Sect. II, Vol. V, pt. 5, 1939.
Middle Cambrian, Acadian.
Trinity bay, Newfoundland.
Holotype - Roy. Ont. Mus. Pal. 26117.

COTALAGNOSTUS TERRANOVICUS (Matthew) -- Cotypes 3
Agnostus laevigatus terranovicus Matthew
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XV, 1896, p. 233, pl. XVII, figs. 1a,b.
Kobayashi, T., Jour. Faculty Science Imperial Univ. Tokyo, Sect. II, Vol. V, pt. 5, 1939.
Middle Cambrian, Acadian.
Trinity bay, Newfoundland.
Cotypes - Roy. Ont. Mus. Pal. 7930.

CTENOCEPHALUS HISPIDUS (Matthew) -- Metatype
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 106.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Metatype - Roy. Ont. Mus. Pal. 8485.

CTENOCEPHALUS GEMINISPINOSUS (Hartt) -- Plesiotypes 4
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 106, pl. I, fig. 21.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7952.

CTENOCEPHALUS MATTHEWI (Hartt) -- Plesiotypes 11
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 103, pl. I, figs. 6,8,9,10, 11,13,20.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7880.

CTENOCEPHALUS MATTHEWI (Hartt) -- Plesiotypes 17
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 103, pl. I, figs. 14-19.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7881.

CTENOCEPHALUS PERHISPIDUS (Matthew) -- Cotypes 2
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 107, pl. I, fig. 12.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8341.

CTENOCEPHALUS PERHISPIDUS (Matthew) -- Metatypes 2
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. II, Sect. IV, 1884, p. 107.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 7865.

CTENOPYGE ACADICA Matthew -- Cotypes 7
Ctenopyge spectabilis Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. IX, Sect. IV, 1891, p. 57, pl. XIII, figs. 13a,b.
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. XI, Sect. IV, 1893, p. 109, pl. XVII, figs. 13a-e.
Lower Ordovician, Bretonian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8015.

CTENOPYGE ACADICA Matthew -- Metatypes 6
Ctenopyge spectabilis Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. IX, Sect. IV, 1891, p. 57.
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. XI, Sect. IV, 1893, p. 109.
Lower Ordovician, Bretonian.
St. John, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 26115.

CTENOPYGE FLAGILLIFER var. Matthew -- Cotypes 10
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. IX, Sect. IV, 1891, p. 56, pl. XIII, figs. 12a,b.
Lower Ordovician, Bretonian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8368.

CYBELOIDES ELLA (Narraway & Raymond) -- Holotype
Narraway, J.E., & Raymond, P.E.,Ann. Carnegie Mus., Vol. III, No. 4, 1906, p. 598, fig. 1.
Middle Ordovician, Black River.
Mechanicsville, Ontario.
Holotype - Roy. Ont. Mus. Pal. 18696.

CYCLOGNATHUS ROTUNDIFRONS Matthew -- Cotypes 13
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. X, Sect. IV, 1892, p. 107, pl. VII, figs. 16a,b.
Lower Ordovician, Bretonian.
Suspension bridge, St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7968.

CYCLOGNATHUS ROTUNDIFRONS Matthew -- Cotypes 3
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. X, Sect. IV, 1892, p. 107, pl. VII, figs. 16a,b.
Lower Ordovician, Bretonian.
Suspension bridge, St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7976.

DAWSONIA DAWSONI (Hartt) -- Tophomeotypes 2
Microdiscus dawsoni Hartt
Hartt, C.F., "Acad. Geol.", 1868, p. 654, fig. 228.
Resser, C.E., Smith. Misc. Coll., Vol. 95, 1937, p. 8.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Tophomeotypes - Roy. Ont. Mus. Pal. 8186.

DOLICHOMETOPUS ACADICUS Matthew -- Cotypes 5
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1897, p. 185, pl. III, figs. 6a-d.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7834.

DOLICHOMETOPUS ACADICUS Matthew -- Metatypes 8
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1897, p. 185.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 26116.

DORYPYGE HORRIDA Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1897, p. 190, pl. IV, figs. 3a, b.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 8410.

DORYPYGE QUADRICEPS VALIDA Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1897, p. 189, pl. IV, figs. 2c, d.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 8413.

DORYPYGE WASATCHENSIS ACADICA Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1897, p. 188, pl. IV, fig. 1.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 8414.

ELLIPSOCEPHALUS GALEATUS Matthew -- Cotypes 5
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. XI, Sect. IV, 1893, p. 103, pl. XVII, figs. 7a-d.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7758.

ELLIPSOCEPHALUS GALEATUS AGRAULOIDES Matthew-Cotypes 2
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. XI, Sect. IV, 1893, p. 103, pl. XVII, fig. 7e.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7755.

ELLIPSOCEPHALUS GRANDIS Matthew -- Cotypes 7
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. XI, Sect. IV, 1893, p. 105, pl. XVII, figs. 6a-c.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7752.

EODISCUS BELLIMARGINATUS INSULARIS (Matthew)-Cotypes 2
Microdiscus bellimarginatus insularis Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. V, Sect. IV, 1899, p. 75.
Lower Cambrian, Etcheminian.
Manuel's brook, Conception bay, Newfoundland.
Cotypes - Roy. Ont. Mus. Pal. 7775.

EODISCUS BELLIMARGINATUS INSULARIS (Matt.)-Metatypes 2
Microdiscus bellimarginatus insularis Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. V, Sect. IV, 1899, p. 75.
Lower Cambrian, Etcheminian.
Manuel's brook, Conception bay, Newfoundland.
Metatypes - Roy. Ont. Mus. Pal. 8380.

EODISCUS PRECURSOR (Matthew) -- Cotypes 2
Microdiscus punctatus precursor Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. III, Sect. IV, 1885, p. 75, pl. VII, fig. 13.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7677.

EODISCUS PULCHELLUS (Hartt) -- Plesiotypes 16
Microdiscus pulchellus Hartt
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. III, Sect. IV, 1885, p. 74, pl. VII, figs. 12a,b,c.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 8188.

EODISCUS SCHUCHERTI (Matthew) -- Cotypes 6
Microdiscus schucherti Matthew
Matthew, G.F., Trans. New York Acad. Sci., Vol. XV, 1896, p. 238, pl. XVII, figs. 4a,b.
Lower Cambrian, Etcheminian.
Troy, New York.
Cotypes - Roy. Ont. Mus. Pal. 7768.

ENCRINURUS cf. ORNATUS Hall & Whitfield -Fig. specimen
Encrinurus cf. punctatus (Brunnich)
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, 1915, p. 80, pl. IV, fig. 2.
Silurian.
Ekwan river, Ontario.
Figured specimen - Roy. Ont. Mus. Pal. 22670.

ENCRINURUS Sp. nov. Way -- Holotype
Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin Island," 1936, p. 116.
Lower Silurian, Cataract.
Manitoulin island, Ontario.
Holotype - Roy. Ont. Mus. Pal. 7536.

EURYCARE SPINOSUM Matthew -- Cotypes 13
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. XI, Sect. IV, 1893, p. 106, pl. XVII, figs. 14a-e.
Lower Ordovician, Bretonian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7955.

GONIAGNOSTUS CONFLUENS (Matthew) -- Cotypes 7
Agnostus northorsti confluens Matthew
Matthew,G.F., Trans. N.Y. Acad. Sci., Vol. XV,1896, p. 230.
Howell, B.F., Bull. Wagner Inst. Sci., Vol. X, No.2, 1935, p. 14.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 26105.

HEMIARGES PAULIANUS (Clarke) -- Plesiotypes 2
Raymond, P.E., Amer. Jour. Sci., Vol. LXIX, 1920, pl. II, figs. 6a-c.
Middle Ordovician, Trenton.
Hull, Quebec.
Plesiotypes - Roy. Ont. Mus. Pal. 18794.

HOLASAPHUS CENTROPYGE Matthew -- Cotypes 10
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks of Cape Breton," p. 174, pl. X, figs. 3a-c.
Lower Cambrian, Etcheminian.
Young (McFee's) pt., George river, Nova Scotia.
Cotypes - Roy. Ont. Mus. Pal. 7894.

HOLASAPHUS CENTROPYGE Matthew -- Metatypes 10
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks of Cape Breton," p. 174.
Lower Cambrian, Etcheminian.
Young (McFee's) pt., George river, Nova Scotia.
Metatypes - Roy. Ont. Mus. Pal. 7882.

HYPAGNOSTUS UMBO (Matthew) -- Cotypes 7

Agnostus umbo Matthew

Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. III, 1885, p. 71, pl. VII, figs. 8a,b.

Whitehouse, F.W., Mem. Queensland Mus., Vol. 11,pt. 1, 1936, p. 104.

Middle Cambrian, Acadian.

Porter's brook, St. Martins, New Brunswick.

Cotypes - Roy. Ont. Mus. Pal. 7848.

ILLAENUS ANGUSTICOLLIS Billings -- Plesiotype

Raymond, P.E., & Narraway, J.E.,Ann. Carnegie Mus., Vol. IV, 1908, p. 245, pl. LXI, figs. 1,2.

Middle Ordovician, Black River.

Pelton's quarry, near Ottawa, Ontario.

Plesiotype - Roy. Ont. Mus. Pal. 18684.

ILLAENUS CONRADI Billings -- Plesiotype

Raymond, P.E., & Narraway, J.E.,Ann. Carnegie Mus., Vol. IV, 1908, p. 245, pl. LX, figs. 9,10.

Middle Ordovician, Black River.

Val Tetreau, Hull, Quebec.

Plesiotype - Roy. Ont. Mus. Pal. 18691.

ILLAENUS LATIAXIATUS Raymond & Narraway -- Cotypes 3

Raymond, P.E., & Narraway, J.E.,Ann. Carnegie Mus., Vol. IV, 1908, p. 243, pl. LX, figs. 4-8.

Middle Ordovician, Black River.

Mechanicsville, Ontario; Tetreauville, Quebec.

Cotypes - Roy. Ont. Mus. Pal. 18754.

ISOTELUS GIGAS DeKay -- Plesiotypes 2

Raymond, P.E., & Narraway, J.E.,Ann. Carnegie Mus., Vol. VII, 1910, p. 53, pl. XV, fig. 2.

Middle Ordovician, Black River.

Val Tetreau, Hull, Quebec.

Plesiotypes - Roy. Ont. Mus. Pal. 18689.

ISOTELUS IOWENSIS (Owen) -- Plesiotypes 2
Isotelus sp. (? gigas) Raymond & Narraway
Raymond, P.E., & Narraway, J.E., Ann. Carnegie Mus., Vol. VII, 1910, p. 56, pl. XV, fig. 3.
Raymond, P.E., Mus. Comp. Zool., Vol. LVIII, No. 5, 1914, pp. 255,256.
Middle Ordovician, Black River.
Mechanicsville, Ontario.
Plesiotypes - Roy. Ont. Mus. Pal. 18698.

ISOTELUS MAXIMUS Locke -- Plesiotype
Fritz, M.A., 32nd Ann. Rept. Ont. Dept. Mines, Vol. XXXII, pt. VII, 1923, p. 23, pl. II, fig. 17.
Upper Ordovician, Dundas.
Humbervale, Toronto, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 17107.

KARLIA STEPHENENSIS Walcott -- Plesiotypes 2
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. V, Sect. IV, 1899, p. 47, pl. II, figs. 3a,b.
Middle Cambrian, Stephen limestone.
Mt. Stephen, British Columbia.
Plesiotypes - Roy. Ont. Mus. Pal. 7980.

KOOTENIA DAWSONI (Walcott) -- Plesiotypes 2
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. V, Sect. IV, 1899, p. 56, pl. III, fig. 1.
Middle Cambrian, Stephen limestone.
Mt. Stephen, British Columbia.
Plesiotypes - Roy. Ont. Mus. Pal. 8042.

LEPTOPLASTUS LATUS Matthew -- Cotypes 17
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. IX, Sect. IV, 1891, pl. XIII, figs. 10a-c.
Lower Ordovician, Bretonian.
Navy island, St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7963.

LIOSTRACUS OUANGONDIANUS Hartt -- Plesiotypes 11
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 138, pl. I, figs. 4a; 1-q.
Middle Cambrian, Acadian.
Porter's brook, St. Martins;St. John,New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 8298.

LIOSTRACUS OUANGONDIANUS AURORA (Hartt) - Plesiotypes 4
Conocephalites aurora Hartt
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 139, pl. II, figs. 7a-f.
Middle Cambrian, Acadian
Porter's brook, St. Martins;St. John,New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 8332.

LIOSTRACUS OUANGONDIANUS GIBBA Matthew -- Cotypes 2
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 140, pl. I, figs. 4h,i,k.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7858.

LIOSTRACUS OUANGONDIANUS IMMARGINATA Matthew-Cotypes 3
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 139, pl. I, figs. 4b,c,d.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7851.

LIOSTRACUS OUANGONDIANUS PLANA Matthew -- Cotypes 2
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 140, pl. I, figs. 4e,g.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8300.

LIOSTRACUS TENER Hartt -- Plesiotypes 9
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 137, pl. I, figs. 3a-c.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7840.

LIOSTRACUS VALIDUS Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1897, p. 179, pl. II, figs. 7a,b.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 7678.

METADOXIDES MAGNIFICUS Matthew -- Cotypes 5
Matthew, G.F., Bull. Nat. Hist. Soc. N.B., Vol. IV 1899, p. 137, pl. III.
Middle Cambrian, Acadian.
Manuel's brook, Conception bay, Newfoundland.
Cotypes - Roy. Ont. Mus. Pal. 7824.

METADOXIDES MAGNIFICUS Matthew -- Metatypes 8
Matthew, G.F., Bull. Nat. Hist. Soc. N.B., Vol. IV, 1899, p. 137.
Middle Cambrian, Acadian.
Manuel's brook, Conception bay, Newfoundland.
Metatypes - Roy. Ont. Mus. Pal. 8141.

MICMACCA ANGIMARGO Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. V, 1899, p. 80, pl. IV, fig. 6.
Lower Cambrian, Upper Etcheminian.
Manuel's brook, Conception bay, Newfoundland.
Holotype - Roy. Ont. Mus. Pal. 7782.

MICMACCA MATTHEWI Matthew -- Holotype
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV, 1895, p. 141, pl. X, figs. 1a,b.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 7746.

MICMACCA PLANA Matthew -- Holotype
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV, 1895, p. 143, pl. XI, figs. 2a,b.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 7754.

MICMACCA VANINGENI Matthew -- Cotypes 4
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV, p. 142, pl. XI, figs. 1a,b.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7802.

MICMACCA VANINGENI Matthew -- Metatypes 3
Matthew,G.F.,Trans. N.Y. Acad. Sci.,Vol. XIV,p.142.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 26154.

MICMACCA WALCOTTI Matthew -- Cotypes 10
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. V, Sect. IV, 1899, p. 79, pl. IV, figs. 5a-d.
Lower Cambrian, Upper Etcheminian.
Manuel's brook, Conception bay, Newfoundland.
Cotypes - Roy. Ont. Mus. Pal. 7783.

MICMACCA WALCOTTI Matthew -- Idiotypes 2
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. V, Sect. IV, 1899, p. 79.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Idiotypes - Roy. Ont. Mus. Pal. 7747.

ODONTOPLEURA CRESCENTICA Johnson -- Holotype
Johnson,H., MSS. Univ. Tor., "Stratigraphy and Palaeontology of the Cataract Formation," 1934, p. 98, pl. IV, fig. 3.
Lower Silurian, Manitoulin dolomite.
Credit Forks, Ontario.
Holotype - Roy. Ont. Mus. Pal. 7429.

ODONTOPLEURA PUSTULOSA Johnson -- Holotype
Johnson,H., MSS. Univ. Tor., "Stratigraphy and Palaeontology of the Cataract Formation," 1934, p. 96, pl. IV, fig. 2.
Lower Silurian, Manitoulin dolomite.
Credit Forks, Ontario.
Holotype - Roy. Ont. Mus. Pal. 7335.

OEDORHACHIS TYPICALIS Resser -- Tophomeotypes 6
Resser, C.E., Geol. Soc. Amer., Special Paper No. 15, 1938, p. 50.
Upper Cambrian, Nolichucky.
Cedar Bluff, Cherokee county, Alabama.
Tophomeotypes - Roy. Ont. Mus. Pal. 25847.

OEDORHACHIS TYPICALIS Resser -- Tophomeotypes 3
Resser, C.E., Geol. Soc. Amer., Special Paper No. 15, 1938, p. 50.
Upper Cambrian, Nolichucky.
Cedar Bluff, Cherokee county, Alabama.
Tophomeotypes - Roy. Ont. Mus. Pal. 25848.

OEDORHACHIS TYPICALIS Resser -- Tophomeotype
Resser, C.E., Geol. Soc. Amer., Special Paper No. 15, 1938, p. 50.
Upper Cambrian, Nolichucky.
Cedar Bluff, Cherokee county, Alabama.
Tophomeotype - Roy. Ont. Mus. Pal. 25849.
(On same rock with *Proagnostus bulbus* Butts)

OEDORHACHIS TYPICALIS Resser -- Tophomeotypes 2
Resser, C.E., Geol. Soc. Amer., Special Paper No. 15, 1938, p. 50.
Upper Cambrian, Nolichucky.
Cedar Bluff, Cherokee county, Alabama.
Tophomeotypes - Roy. Ont. Mus. Pal. 25846.

OLENELLUS GETZI Dunbar -- Tophomeotype
Dunbar, C.O., Amer. Jour. Sci., 5th ser., Vol. IX, No. 52, 1925, p. 303.
Lower Cambrian, Kinzers.
Getz quarry, Lancaster county, Pennsylvania.
Tophomeotype - Roy. Ont. Mus. Pal. 25838.

OLENELLUS GETZI Dunbar -- Tophomeotypes 3
Dunbar, C.O., Amer. Jour. Sci., 5th ser., Vol. IX, No. 52, 1925, p. 303.
Lower Cambrian, Kinzers.
Getz quarry, Lancaster county, Pennsylvanian.
Tophomeotypes - Roy. Ont. Mus. Pal. 25839.

OLENELLUS GETZI Dunbar -- Tophomeotypes 2
Dunbar, C.O., Amer. Jour. Sci., 5th ser., Vol. IX, No. 52, 1925, p. 303.
Lower Cambrian, Kinzers.
Getz quarry, Lancaster county, Pennsylvania.
Tophomeotypes - Roy. Ont. Mus. Pal. 25840.

OLENELLUS GETZI Dunbar -- Tophomeotypes 2
Dunbar, C.O., Amer. Jour. Sci., 5th ser., Vol. IX, No. 52, 1925, p. 303.
Lower Cambrian, Kinzers.
Getz quarry, Lancaster county, Pennsylvania.
Tophomeotypes - Roy. Ont. Mus. Pal. 25841.

PAGETIA ATTLEBORENSIS VIGILANS (Matthew) -- Holotype
Strenuella attleborensis vigilans Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. V, Sect. IV, 1899, p. 78, pl. IV, figs. 4a,b.
Lower Cambrian, Upper Etcheminian.
Manuel's brook, Conception bay, Newfoundland.
Holotype - Roy. Ont. Mus. Pal. 7764.

PARABOLINA DAWSONI Matthew -- Metatypes 2
Matthew, G.F., Bull. Nat. Hist. Soc. N.B., Vol. IV, 1900, p. 282.
Lower Ordovician, Bretonian.
Escasonie, Cape Breton, Nova Scotia.
Metatypes - Roy. Ont. Mus. Pal. 7957.

PARABOLINA GRANDIS Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. IX, Sect. IV, 1891, p. 52, pl. XIII, fig. 7.
Lower Ordovician, Bretonian.
Navy island, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 7961.

PARABOLINA HERES LATA Matthew -- Cotypes 19
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. IX, Sect. IV, 1891, p. 51, pl. XIII, figs. 6a-f.
Lower Ordovician, Bretonian.
Navy island, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7972.

PARABOLINA SPINULOSA (Wahlenberg) -- Plesiotypes 6
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. IX, Sect. IV, 1891, p. 51, pl. XIII, figs. 5a-d.
Lower Ordovician, Bretonian.
St. John, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 8043.

PARABOLINELLA POSTHUMA Matthew -- Cotypes 3
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser. Vol. X, Sect. IV, 1892, p. 107, pl. VII, figs. 15a b.
Lower Ordovician, Bretonian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7960.

PARABOLINELLA QUADRATA Matthew -- Cotypes 3
Matthew, G.F., Bull. Nat. Hist. Soc. N.B., Vol. IV, 1900, p. 411, pl. XVIII, fig. 7.
Lower Ordovician, Bretonian.
Boisdale, Nova Scotia.
Cotypes - Roy. Ont. Mus. Pal. 7962.

PARADOXIDES ABENACUS Matthew -- Cotype
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. III, Sect. IV, 1885 p. 78, pl. VII, fig. 17a.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotype - Roy. Ont. Mus. Pal. 7850.

PARADOXIDES ABENACUS Matthew -- Cotypes 20
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. III, Sect. IV, 1885, p. 78.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7884.

PARADOXIDES ABENACUS Matthew -- Cotypes 16
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. III, Sect. IV, 1885, p. 78.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7821.

PARADOXIDES ABENACUS Matthew - muts. 1 & 2 - Cotypes 26
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, 1897, p. 175, pl. I, figs. 9a-c; pl. II, figs. 1a-d.
Middle Cambrian, Acadian.
Hastings cove, St. John county, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7886.

PARADOXIDES ACADICUS Matthew -- Cotypes 13
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. I, Sect. IV, 1882, p. 103, pl. IX, figs. 16, 17, 18.
Middle Cambrian, Acadian.
Portland, St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7818.

PARADOXIDES ACADICUS SURICUS Matthew -- Cotypes 3
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. III, Sect. IV, 1885, p. 77, pl. VII, fig. 16.
Middle Cambrian, Acadian.
Portland, St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7817.

PARADOXIDES ETEMINICUS Matthew -- Cotypes 6
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. I, Sect. IV, 1882, p. 92, pl. IX, figs. 11, 12.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7873.

PARADOXIDES ETEMINICUS Matthew -- Cotype
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. I, Sect. IV, 1882, p. 92.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotype - Roy. Ont. Mus. Pal. 7900.

PARADOXIDES ETEMINICUS Matthew -- Cotypes 8
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. I, Sect. IV, 1882, p. 92 (not figured).
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7868.

PARADOXIDES ETEMINICUS Matthew -- Cotypes 10
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. I, Sect. IV, 1882, p. 92, pl. IX, figs. 8,9.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8199.

PARADOXIDES ETEMINICUS MALICITUS Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. I, Sect. IV. 1882, p. 101, pl. IX, figs. 13,13a.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 7825.

PARADOXIDES ETEMINICUS QUACOENSIS Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. I, Sect. IV, 1882, p. 102, pl. IX, figs. 14,14a.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 8299.

PARADOXIDES ETEMINICUS SURICOIDES Matthew -- Cotypes 3
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. I, Sect. IV, 1882, p. 97, pl. IX, figs. 4,6.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8198.

PARADOXIDES LAMELLATUS Hartt -- Plesiotypes 6
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. VIII, Sect. IV, 1890, p. 135, pl. XI, fig. 9.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7819.

PARADOXIDES LAMELLATUS LORICATUS Matthew -- Cotypes 10
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. I, Sect. IV, 1882, p. 106, pl. IX, fig. 19.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7874.

PARADOXIDES MICMAC Hartt -- Plesiotypes 14
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. III, Sect. IV, 1885, p. 80.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7837.

PARADOXIDES MICMAC Hartt -- Plesiotypes 8
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. III, Sect. IV, 1885, p. 80.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7896.

PARADOXIDES MICMAC PONTIFICALIS Matthew -- Cotypes 5
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. I, Sect. IV, 1882, p. 102, pl. IX, figs. 15,15a.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7883.

PARADOXIDES REGINA Matthew -- Holotype (in part)
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 115, pl. III.
Middle Cambrian, Acadian.
Portland, St. John, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 7899.
(Note: Part of this specimen lost in St. John fire)

PARADOXIDES REGINA Matthew -- Paratypes 6
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 115.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Paratypes - Roy. Ont. Mus. Pal. 26212.

PARADOXIDOID TRILOBITE -- Figured Specimens 4
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks Cape Breton," p. 176, pl. XI, figs. 1a-d.
Lower Cambrian, Etcheminian.
Young pt., George river, Nova Scotia.
Figured Specimens - Roy. Ont. Mus. Pal. 8195.

PERONOPSIS FALLAX TRILOBATUS (Matthew) -- Cotypes 4
Agnostus fallax trilobatus Matthew
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XV, 1896, p. 216, pl. XV, fig. 9.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7843.

PERONOPSIS FALLAX VIR (Matthew) -- Holotype
Agnostus fallax vir Matthew
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XV, 1896, p. 215, pl. XV, fig. 6.
Middle Cambrian, Acadian.
St. John, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 26213.

PERONOPSIS OBTUSILOBUS (Matthew) -- Cotypes 4
Agnostus obtusilobus Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. III, Sect. IV, 1885, p. 72, pl. VII, fig. 9.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7839.

PERONOPSIS MONTIS (Matthew) -- Holotype
Agnostus montis Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. V, Sect. IV, 1899, p. 43, pl. I, fig. 6.
Kobayashi, T., Jour. Faculty Science Imperial Univ., Tokyo, Sect. II, Vol. V, pt. 5, 1939.
Middle Cambrian, Albertan.
Mt. Stephen, Field, British Columbia.
Holotype - Roy. Ont. Mus. Pal. 7981.

PHALACROMA NUDUS (Beyrich) -- Plesiotype
?Agnostus nudus Beyrich
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XV, 1896, p. 235.
Middle Cambrian, Acadian.
Chapel Arm, Trinity bay, Newfoundland.
Plesiotype - Roy. Ont. Mus. Pal. 8200.

POLIELLA OCCIDENTALIS (Matthew) -- Holotype
Dolichometopus occidentalis Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. V, 1899, p. 49, pl. II, fig. 2.
Middle Cambrian, Albertan.
Mt. Stephen, Field, British Columbia.
Holotype - Roy. Ont. Mus. Pal. 8027.

PROAGNOSTUS BULBUS Butts -- Tophomeotype
Resser, C.E., Geol. Soc. Amer., Special Paper No. 15, 1938, p. 48.
Upper Cambrian, Nolichucky.
Cedar Bluff, Cherokee county, Alabama.
Tophomeotype - Roy. Ont. Mus. Pal. 25849.
(On same rock with *Oedorhachis typicalis* Resser)

PROAGNOSTUS? CENTERENSIS Resser -- Tophomeotype
Resser, C.E., Geol. Soc. Amer., Special Paper No. 15, 1938, p. 48.
Middle Cambrian, Conasauga.
S.E. of Center, Cherokee county, Alabama.
Tophomeotype - Roy. Ont. Mus. Pal. 25850.

PROAGNOSTUS? CENTERENSIS Resser -- Tophomeotypes 8
Resser, C.E., Geol. Soc. Amer., Special Paper No. 15, 1938, p. 48.
Middle Cambrian, Conasauga.
S.E. of Center, Cherokee county, Alabama.
Tophomeotypes - Roy. Ont. Mus. Pal. 25851.

PROAGNOSTUS? CENTERENSIS Resser -- Tophomeotype
Resser, C.E., Geol. Soc. Amer., Special Paper No. 15, 1938, p. 48.
Middle Cambrian, Conasauga.
S.E. of Center, Cherokee county, Alabama.
Tophomeotype - Roy. Ont. Mus. Pal. 25852.

PROAGNOSTUS? CENTERENSIS Resser -- Tophomeotypes 2
Resser, C.E., Geol. Soc. Amer., Special Paper No. 15, 1938, p. 48.
Middle Cambrian, Conasauga.
S.E. of Center, Cherokee county, Alabama.
Tophomeotypes - Roy. Ont. Mus. Pal. 25667.

PROETUS CRASSIMARGINATUS Hall -- Plesiotype
Grabau, A.W., Michigan Geol. & Biol. Sur., Publication 2, Geol. ser. 1, 1909, p. 207, pl. XX, fig. 16.
Middle Devonian, Upper Monroe.
Detroit river, Livingstone cut, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 22457.

PROETUS CRASSIMARGINATUS Hall -- Plesiotype
Grabau, A.W., Michigan Geol. & Biol. Sur., Publication 2, Geol. ser. 1, 1909, p. 207, pl. XX, fig. 17.
Middle Devonian, Upper Monroe.
Detroit river, Livingstone cut, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 22502.

PROETUS CRASSIMARGINATUS Hall -- Plesiotype
Grabau, A.W., Michigan Geol. & Biol. Sur., Publication 2, Geol. ser. 1, 1909, p. 207, pl. XX, fig. 18.
Middle Devonian, Upper Monroe.
Detroit river, Livingstone cut, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 22504.

PROETUS Sp. Parks -- Figured Specimen
Parks, W.A., 13th Ann. Rept. Ont. Dept. Mines, Vol. XIII, 1903, pl. VIII, fig. 1.
Middle Devonian.
Kwataboahegan river, Ontario.
Figured Specimen - Roy. Ont. Mus. Pal. 12977.

PROTAGRAULOS PRISCUS Matthew -- Cotypes 4
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV, 1895, p. 139, pl. IX, fig. 1.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7809.

PROTOLENUS BITUBERCULATUS Matthew -- Cotypes 2
Protolenus paradoxides bituberculatus Matthew
Reference not located.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8322.

PROTOLENUS PARADOXIDES Matthew -- Cotypes 16
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. XI, Sect. IV, 1893, p. 101, pl. XVII, figs. 10a,b.
Middle Cambrian, Acadian.
Hanford brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8321.

PROTOPELTURA ACANTHURA TETRACANTHURA Matthew-Cotypes 5
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. IX, Sect. IV, 1891, p. 53, pl. XIII, figs. 8a-c.
Lower Ordovician, Bretonian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7995.

PTYCHOPARIA ADAMSI ANGUSTA Matthew -- Cotypes 5
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser.,Vol. III, Sect. IV, 1897, p. 182, pl. III, figs. 2a-b.
Middle Cambrian, Acadian.
Hastings cove, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8373.

PTYCHOPARIA ALATA Matthew -- Cotypes 25
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 147.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7867.

PTYCHOPARIA ALATA Matthew -- Cotypes 11
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 147.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7856.

PTYCHOPARIA ALATA Matthew -- Cotypes 8
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. V, Sect. IV, 1887, p. 147.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8325.

PTYCHOPARIA LIMBATA Matthew -- Metatypes 8
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1897, p. 180.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 8372.

PTYCHOPARIA LINNARSSONI Brögger -- Plesiotypes 9
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. V, Sect. IV, 1887, p. 143, pl. II, figs. 1a-m.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 8205.

PTYCHOPARIA MINORA Matthew -- Cotypes 8
Reference not located.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8335.

SOLENOPLEURA ACADICA Whiteaves -- Plesiotypes 10
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. V, Sect. IV, 1887, p. 157.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Plesiotypes - Roy. Ont. Mus. Pal. 7885.

SOLENOPLEURA ACADICA Whiteaves -- Plesiotype
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser., Vol. V, Sect. IV, 1887, p. 157.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Plesiotype - Roy. Ont. Mus. Pal. 8130.

SOLENOPLEURA ARENOSA ANGILIMBATA Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 2nd ser., Vol. III, Sect. IV, 1897, p. 183, pl. III, figs. 3a,b.
Middle Cambrian, Acadian.
Hastings cove, King's county, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 8328.

SOLENOPLEURA BOMBIFRONS Matthew -- Holotype
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. IV, Sect. IV, 1886, p. 156, figs. 5,5a,b.
Lower Cambrian, Etcheminian.
Topsail head, Conception bay, Newfoundland.
Holotype - Roy. Ont. Mus. Pal. 7790.

SOLENOPLEURA BOMBIFRONS Matthew -- Metatype
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. IV, Sect. IV, 1886, p. 156.
Lower Cambrian, Etcheminian.
Manuel's, Conception bay, Newfoundland.
Metatype - Roy. Ont. Mus. Pal. 26215.

SOLENOPLEURA BRETONENSIS Matthew -- Cotypes 2
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks Cape Breton," p. 176, pl. XI, fig. 2a.
Lower Cambrian, Etcheminian.
Gillis-Indian brook, Cape Breton, Nova Scotia.
Cotypes - Roy. Ont. Mus. Pal. 7773.

SOLENOPLEURA BRETONENSIS Matthew -- Cotypes 3
Matthew, G.F., Geol. Sur. Can., 1903, "Camb. Rocks Cape Breton," p. 176, pl. XI, figs. 2b,c.
Lower Cambrian, Etcheminian.
Dugald brook, Cape Breton, Nova Scotia.
Cotypes - Roy. Ont. Mus. Pal. 26216.

SPHAEROPHTHALMUS ALATUS CANADENSIS Matthew - Cotypes 5
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. XI, 1893, p. 107, pl. XVII, figs. 11a,b.
Lower Ordovician, Bretonian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 7997.

SPHAEROPHTHALMUS ALATUS CANADENSIS Matthew - Cotypes 19
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. XI, Sect. IV, 1893, p. 107, pl. XVII, figs. 12a,b.
Lower Ordovician, Bretonian.
St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8461.

SPINAGNOSTUS FRANKLINENSIS Howell -- Tophomeotypes 2
Howell,B.F.,Jour. Pal., Vol. IX, No. 3, April,1935, p. 219.
Middle Cambrian, St. Albans.
St. Albans, Franklin county, Vermont.
Tophomeotypes - Roy. Ont. Mus. Pal. 25842.

SPINAGNOSTUS FRANKLINENSIS Howell -- Tophomeotypes 2
Howell,B.F.,Jour. Pal., Vol. IX, No. 3, April,1935, p. 219.
Middle Cambrian, St. Albans.
Swanton junction, Franklin county, Vermont.
Tophomeotypes - Roy. Ont. Mus. Pal. 25843.

SPINAGNOSTUS FRANKLINENSIS Howell -- Tophomeotype
Howell,B.F.,Jour. Pal., Vol. IX, No. 3, April,1935, p. 219.
Middle Cambrian, St. Albans.
St. Albans, Franklin county, Vermont.
Tophomeotype - Roy. Ont. Mus. Pal. 25844.

SPINAGNOSTUS FRANKLINENSIS Howell -- Tophomeotype
Howell,B.F.,Jour. Pal., Vol. IX, No. 3, April,1935, p. 219.
Middle Cambrian, St. Albans.
St. Albans, Franklin county, Vermont.
Tophomeotype - Roy. Ont. Mus. Pal. 25845.

TOMAGNOSTUS FISSUS TRIFISSUS (Matthew) -- Cotypes 9
Agnostus fissus trifissus Matthew
Matthew, G.F., Trans. N.Y. Acad. Sci.,Vol. XV,1896, p. 231, pl. XVI, fig. 10.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8329.

TOMAGNOSTUS FISSUS TRIFISSUS (Matthew) -- Cotypes 3
Agnostus fissus trifissus Matthew
Matthew,G.F.,Trans.N.Y.Acad.Sci.,Vol.XV,1896,p.231.
Middle Cambrian, Acadian.
Chapel Arm, Trinity bay, Newfoundland.
Cotypes - Roy. Ont. Mus. Pal. 26104.

TRIARTHRUS CANADENSIS Smith -- Plesiotype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XV, Sect. IV, 1921, p. 50, pl. I, fig. 4.
Upper Ordovician, Gloucester.
Rouge river, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 25180.

TRIARTHRUS CANADENSIS Smith -- Plesiotype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XV, Sect. IV, 1921, p. 51, pl. I, fig. 10.
Upper Ordovician, Gloucester.
Rouge river, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 25181.

TRIARTHRUS CANADENSIS Smith -- Plesiotypes 2
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XV, Sect. IV, 1921, p. 49, pl. I, fig. 3.
Upper Ordovician, Gloucester.
Rouge river, Ontario.
Plesiotypes - Roy. Ont. Mus. Pal. 25182.

TRIARTHRUS CANADENSIS Smith -- Plesiotype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XV, Sect. IV, 1921, p. 49, pl. I, fig. 1.
Upper Ordovician, Gloucester.
Craigleith, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 25183.

TRIARTHRUS CANADENSIS Smith -- Plesiotypes 2
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XV, Sect. IV, 1921, p. 48, pl. I, fig. 2.
Upper Ordovician, Gloucester.
Rouge river, Ontario.
Plesiotypes - Roy. Ont. Mus. Pal. 25188.

TRIARTHRUS CANADENSIS Smith -- Plesiotype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XXII, Sect. IV, 1928, p. 90, fig. 27.
Upper Ordovician, Gloucester.
Rouge river, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 25094.

TRIARTHRUS EATONI Hall -- Plesiotype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XXII, Sect. IV, 1928, p. 88, fig. 24.
Middle Ordovician, Collingwood.
Camperdown, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 25097.

TRIARTHRUS GLABER Billings -- Plesiotype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XXII, Sect. IV, 1928, p. 89, fig. 26.
Upper Ordovician, Gloucester.
Whitby, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 25095.

TRIARTHRUS cf. CANADENSIS Smith -- Figured Specimen
TRIARTHRUS cf. GLABER Billings
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XXII, Sect. IV, 1928, p. 90, fig. 28.
Upper Ordovician, Gloucester.
Whitby, Ontario.
Figured Specimen - Roy. Ont. Mus. Pal. 25096.

TRIARTHRUS SPINOSUS NARRAWAYI Parks -- Holotype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XXII, Sect. IV, 1928, p. 89 (not figured).
Upper Ordovician, Gloucester.
Billings bridge, Ottawa.
Holotype - Roy. Ont. Mus. Pal. 18802.

TRIARTHRUS SPINOSUS ROUGENSIS Parks -- Holotype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XV, Sect. IV, 1920, p. 51, pl. I, fig. 8.
Upper Ordovician, Gloucester.
Rouge river, Ontario.
Holotype - Roy. Ont. Mus. Pal. 25170.

TRIARTHRUS SPINOSUS ROUGENSIS Parks -- Paratype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XV, Sect. IV, 1920, p. 51, pl. I, fig. 7.
Upper Ordovician, Gloucester.
Rouge river, Ontario.
Paratype - Roy. Ont. Mus. Pal. 25171.

TRIARTHRUS SPINOSUS ROUGENSIS Parks -- Paratype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XV, Sect. IV, 1920, p. 51, pl. I, fig. 11.
Upper Ordovician, Gloucester.
Rouge river, Ontario.
Paratype - Roy. Ont. Mus. Pal. 25189.

TRIARTHRUS SPINOSUS ROUGENSIS Parks -- Heautotype
Parks, W.A., Trans. Roy. Soc. Can., 3rd ser., Vol. XXII, Sect. IV, 1928, p. 89, fig. 25.
Upper Ordovician, Gloucester.
Rouge river, Ontario.
Heautotype - Roy. Ont. Mus. Pal. 25093.

TRIPLAGNOSTUS GIBBUS ACUTILOBUS (Matthew)-- Cotypes 10
Agnostus gibbus acutilobus Matthew
Matthew, G.F., Trans. Roy. Soc. Can., 1st ser.,Vol. III, Sect. IV, 1885, p. 73, pl. VII, fig. 10.
Howell, B.F., Bull.Wagner Free Inst., Vol. X, No. 2, May, 1935, p. 14.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8331.

TRIPLAGNOSTUS GIBBUS PARTITUS (Matthew) -- Cotypes 9
Agnostus gibbus partitus Matthew
Matthew, G.F., Trans. N.Y. Acad. Sci.,Vol. XV,1896, p. 227, pl. XVI, fig. 7.
Howell, B.F., Bull. Wagner Free Inst., Vol. X, No. 2, May, 1935, p. 14.
Middle Cambrian, Acadian.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8167.

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